

# MCGILL

## *Electrical Specialties*

All McGill Products are listed by the Underwriters' Laboratories

CATALOG NO. 38



*Levolier*

SWITCHES  
SOCKETS

*Lamp Guards*

PORTABLE  
STATIONARY  
LOXON  
GRIPON  
CRESCENT

*Accessories*

LAMP CHANGERS  
SOLDERS  
MISCELLANEOUS

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SWITCHES

# MCGILL Electrical Specialties



MCGILL MANUFACTURING COMPANY  
VALPARAISO, INDIANA

Since 1904

Catalog No. 38



# McGILL Products

## *The Best You Can Buy . . .*

**T**HREE is no substitute for McGILL. Every unit manufactured by McGILL is finely designed and skillfully executed . . . the result of progress based upon sound engineering principles and scientific research.

The universal acceptance and use of McGILL products are confirmation of the fact that the production and use of quality commodities minister to the welfare of all . . . preserve the tradition upon which true progress in industry is founded.

For many years McGILL has manufactured equipment of quality . . . equipment that bears a price commensurate with the character of effort, skill, quality of materials and intrinsic worth put into it.

Purchasers are rewarded by the sound value, lasting utility, and economies effected through the use of precision-constructed McGILL units.

We are compensated for our efforts because we have given the best of our ability, energy and experience developing McGILL products to the high standard which it is our purpose ever to maintain.

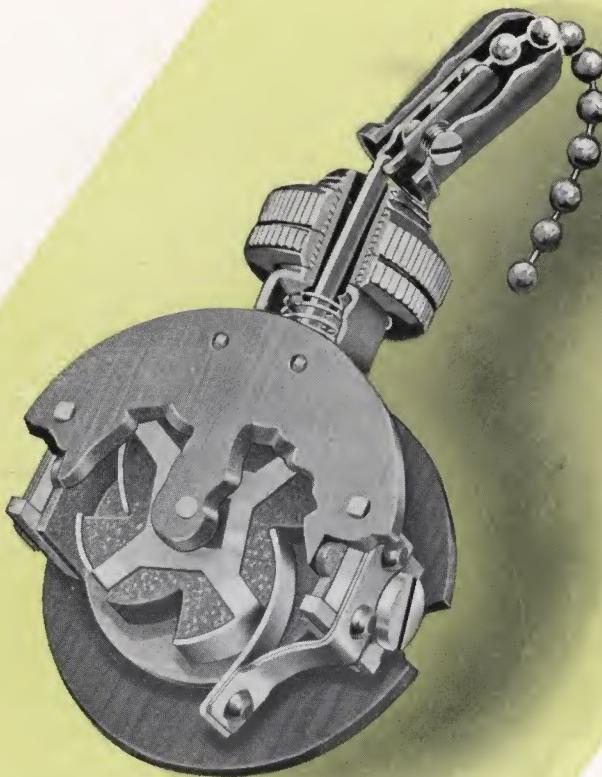
### Guarantee

We maintain a rigid inspection department but errors are bound to occur due to the human element involved. We guarantee our material against defects but cannot hold ourselves liable other than for the merchandise itself. We will replace any defective material free of charge.

### Sold Through Wholesalers

McGILL products are available on order from stocks carried by electrical wholesalers. In addition, McGILL representatives are located in the key cities listed on page 2 — and are at your service to cooperate upon any specification, installation or other request. Your nearest, most convenient source of supply is able at any time to furnish you with McGILL products or desired information.

Ask your wholesaler for net price sheet applying to this catalog.



Underwriters  
Laboratories  
Inspected

## Built Like a Watch

**L**EVOLIER is, first of all, a precision switch. Built and hand-assembled with all the care and accuracy of experienced craftsmanship . . . Levolier switches must by no means be confused with imitative volume production units.

For the spring contacts on Levolier switches, only Olympic bronze is used . . . a high grade silicon bronze. Switch mechanisms are permanently lubricated with the most highly refined grease available . . . snow-white petrolatum, that does not deteriorate with age. This lubrication affords an easy pull on the lever and prevents damage to the contacts.

Though precise in operation, Levolier switches are ruggedly constructed . . . to endure years of constant, heavy-duty usage. Every switch is first tested thoroughly for quality of material, proper assembly and exact, trigger-like operation, and for its electrical connections.

Frequent tests are made on commercial samples under conditions more severe than required by the Underwriters' Laboratories. One machine operates 120 pulls per minute while switch carries full load using direct current. Another setup in which twelve pairs of type C high capacity lamps are used is so arranged that for each "on" cold lamps are thrown into the circuits, subjecting the switch to the characteristic eight times normal inrush of current. In the case of our No. 1010 switch there is an inrush of 80 Amperes for 1/250th second for each "on" of the switch under test.

## The Economy of Individual Control

**T**O DAY, with Levolier switches, there is little excuse for inefficient use of electricity — either industrially or in the home.

Leverlier switches, made for individual control, for variable speed motors, in sign flashers and transformer boxes, exhaust fans, air-conditioning units, and in all types of lighting fixtures, cut down the enormous waste of electrical power and lighting energy.

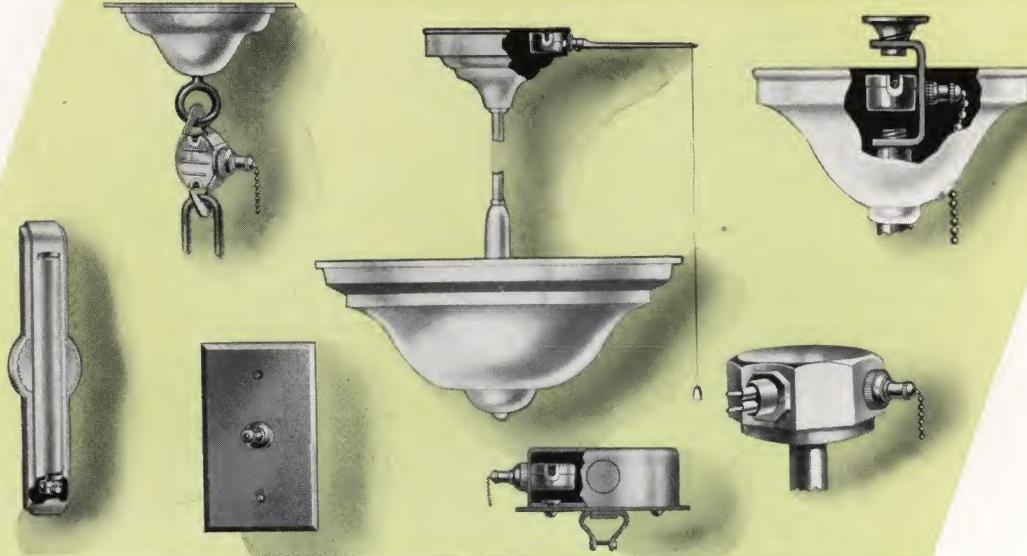
In one known instance of waste, a 50 watt lamp used behind a boiler was actually needed only a few minutes at a time, once or twice a week. Based on a rate of 10c per kilowatt hour, \$15.00 per work-year was wasted here because the light was on the general circuit with lamps that were needed all day.

Leverlier switches effect immediate savings of this nature — in homes or in industry — because they make it possible to secure economically convenient individual control of lights and small power units. Even at a rate of only 4c per kilowatt hour, the saving of one kilowatt means \$96.00 for a year of 300 work days of 8 hours each . . . for 10 kilowatts saved the total would be \$960.00 . . . and similar economies would be made depending upon the number of lamps on such circuits. Electricity for lighting usually is sold at a higher rate than electricity for power. The savings on many lights, therefore, run into considerable amounts.

Every lamp has a definite length of life. The "time-out" periods permitted by use of McGILL individual control Levolier switches, lengthen lamp life and provide further economies.

Eyestrain is lessened, efficiency is increased, production is held at proper levels when Levolier individual control switches are installed to permit special lighting as required.

Specify Levolier . . . the economical, individual control unit. Easy to install, Levolier makes an attractive finished job because mechanism is hidden. No extra wiring, and no prominent, cumbersome control devices are necessary. Levolier switches are sturdily constructed . . . with an extra margin of safety to withstand the surge of heavy overloading . . . as, for example, when current is turned on for cold 500-watt gas-filled lamps.



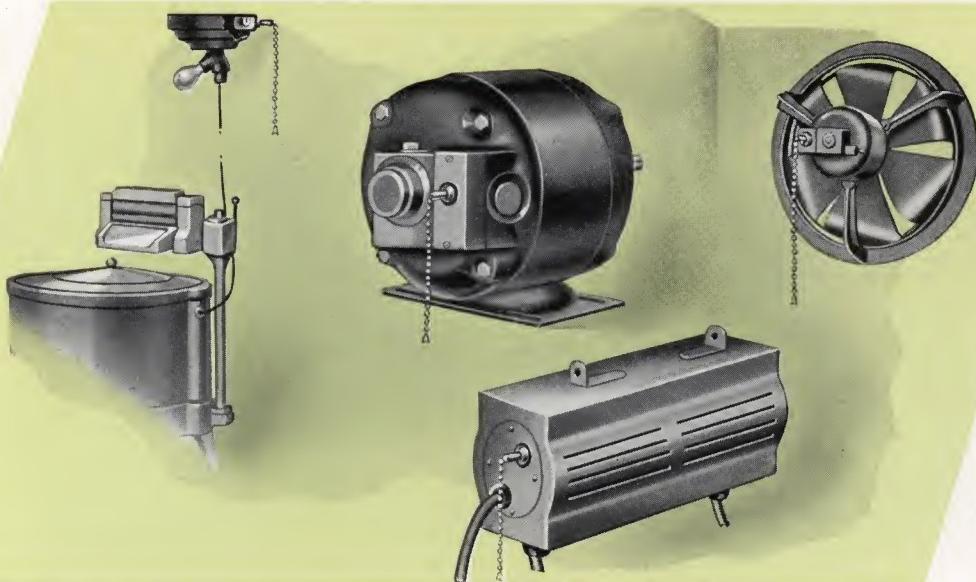
## Lighting Adaptations

**I**N FIXTURES, canopies and in conduit boxes, Levolier switches meet every individual lighting control need.

Levolier switches are available in three stem lengths . . .  $\frac{3}{16}$ ",  $\frac{3}{8}$ " and  $\frac{3}{4}$ " . . . and standard finishes are brush brass, Jap bronze and nickel flash. Other finishes furnished on request. They are made in sizes 3 to 10 ampere capacity; single pole, two circuit; series multiple; and 3-way pull.

Every Levolier switch carries a strong guarantee. When you specify "Levolier" switches by name, you know exactly what you are receiving . . . you can be certain that the switches ordered are the best for conditions to be met, regardless of price. Above are illustrated a few of the most common typical installations of Levolier switches. All are readily adaptable to the modern types of ceiling canopies, and are easily attached.

You will find the Levolier switch the all-around satisfactory answer to any individual lighting control requirement. All Levolier switches are listed by Underwriters' Laboratories.



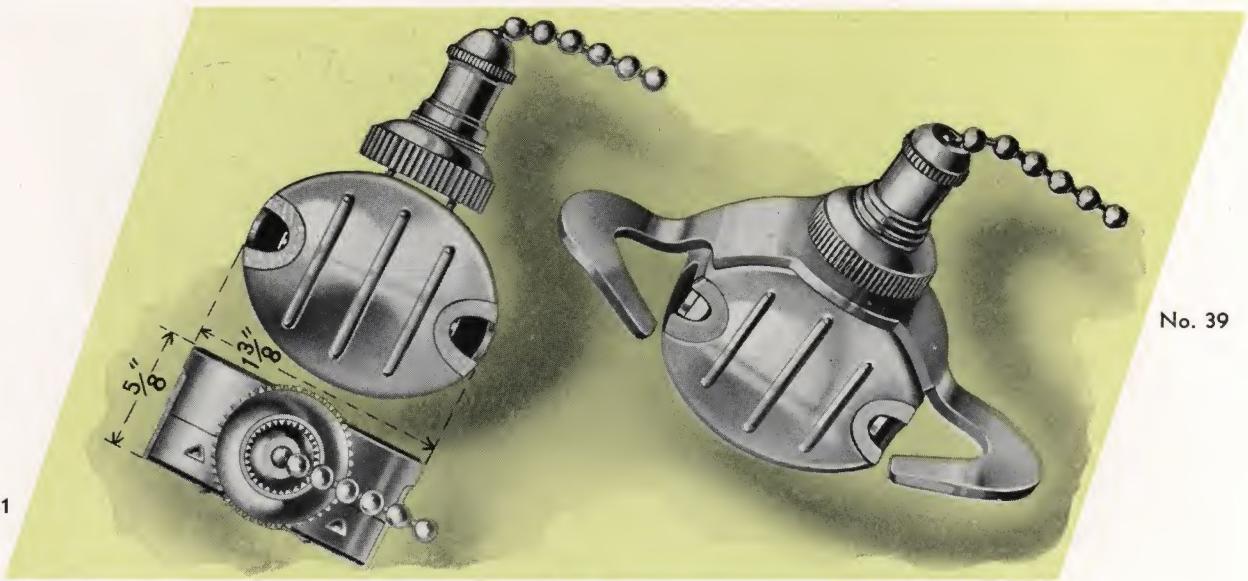
## Other Applications

**T**HREE is hardly an electrically operated device which cannot be controlled more efficiently and with greater safety by a Levolor switch.

Levolier switch control and cord pull is safe home practice with electric washers . . . eliminating a hazardous combination of wet-hand-to-metal contact.

On variable speed motors, Levolor switches are especially adaptable not only to control first, second and third speeds but other combinations as desired. They are widely used on ventilating fan installations.

For a variety of combinations in sign flasher boxes, Levolor switches provide instant change, dependable operation and long-time, trouble-free service . . . as well as convenient general control to the often otherwise inaccessible transformer box. Levolor switches are time savers, money savers . . . and safety makers. Architects, builders and manufacturers have so specified them . . . for years.



No. 41

No. 39

## The *Levolier* 6 Ampere—125 Volt Switch

famous for economy, ease of operation and adaptability

**T**HIN MODEL Levolier switch No. 41 is the smallest 6 amp. unit made . . . only  $\frac{5}{8}$ " thick. It embodies all qualities of other Levolier switches in performance, ease and economy of installation, and long, trouble-free service. Reliable and efficient. Original installations of these switches have been called to our attention after 10 years of everyday service and they are still as good as new.

Levolier thin model No. 41 is also extremely popular due to wide adaptability . . . in homes, apartments, commercial structures, public buildings and institutions . . . in fact, it is almost universally applicable. (See applications illustrated on page 6.) It is equipped with 7' cord, with bell at end, or plain lever control. Standard finishes are brush brass, Jap bronze and nickel flash. Other finishes supplied on special order.

Levolier thin model switch No. 39 follows all specifications of Model 41, with the addition of a link as illustrated. This permits its use in any chain fixture simply by removing the top link immediately below canopy ring in the chain and substituting the inconspicuous No. 39 switch easily and quickly. It eliminates the expense of rewiring. See illustration on page 6.

### Levolier Conduit Box and Fixture Switches—6 amp. 125 volts; 3 amp. 250 volts

Cat. No.	Diameter	Stem— Length	Std. Pkg.	Carton	Std. Pkg. Weight	List
41	7/8"	3/8"	100	10	12 lbs.	\$0.85
41-PL	7/8"	3/8"	100	10	11 lbs.	.75
42	7/8"	3/8"	100	10	12 lbs.	.85
43	7/8"	3/4"	100	10	13 lbs.	.85
61	7/8"	3/8"	100	10	14 lbs.	.95
61-PL	7/8"	3/8"	100	10	13 lbs.	.85
62	7/8"	3/8"	100	10	14 lbs.	.95
63	7/8"	3/4"	100	10	15 lbs.	.95
39	Link type		100	10	15 lbs.	.85
59	Link type		100	10	16 lbs.	.95

No. 301



No. 201

## The *Levolier* 3 Ampere—125 Volt Switch

**three-way and two-circuit canopy pull types**

No. 301 is standard thickness, designed to control one or more lights from two different points. A stepsaver. Comes equipped with 7' cord with bell at end. May be used as a reversing switch on fractional h. p. motors. Standard finishes: brush brass, Jap bronze and nickel flash. Other finishes furnished on request.

No. 201 Levolier switch is a standard 3-amp. 125 volt two-circuit canopy pull switch for floor lamps, table lamps, and ceiling fixtures. Overall and stem dimensions same as on No. 301. Operates the new PS-35 three-light lamp. First pull lights small filament; second pull turns it off and lights larger filament; third pull lights both, fourth pull turns both off. It is equipped with 7' cord with bell at end. Standard finishes: brush brass, Jap bronze and nickel flash. Other finishes furnished on request.

**No. 21 McGill Switch:** This inexpensive, durable 3-amp. pull-chain switch has an adjustable stem to fit any canopy wall thickness up to and including  $\frac{3}{8}$ ". Switch is  $\frac{1}{2}$ " thick. Equipped with 9" leads. Latest type mechanism is enclosed in Bakelite body with heavy Bakelite top block. Equipped with 7' cord with bell at end.

### Levolier Two-Circuit Canopy Pull Switches—3 amp. 125 volts

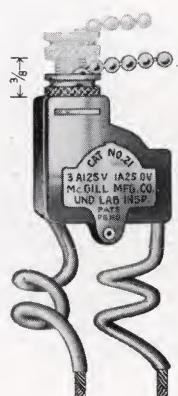
Cat. No.	Diameter	Stem	Length	Std. Pkg.	Carton	Weight	List
201	$\frac{7}{16}$ "		$\frac{3}{16}$ "	100	10	12 lbs.	\$0.85
202	$\frac{7}{16}$ "		$\frac{3}{8}$ "	100	10	12 lbs.	.90
203	$\frac{7}{16}$ "		$\frac{3}{4}$ "	100	10	13 lbs.	.90

### Levolier Three-Way Canopy Pull Switches—3 amp. 125 volts

301	$\frac{7}{16}$ "	$\frac{3}{16}$ "	100	10	13 lbs.	.90
302	$\frac{7}{16}$ "	$\frac{3}{8}$ "	100	10	13 lbs.	.95
303	$\frac{7}{16}$ "	$\frac{3}{4}$ "	100	10	14 lbs.	.95

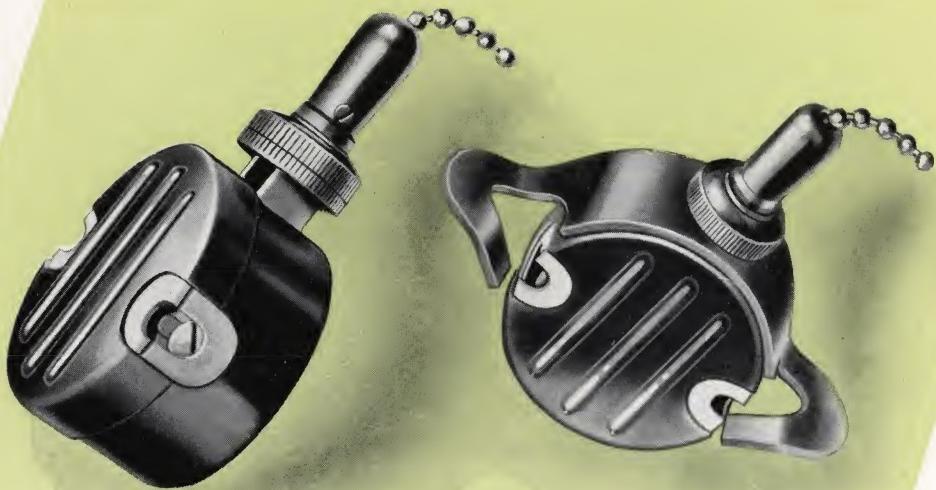
### McGill Canopy Switch—3 amp. 125 volts

21	Adjustable stem	100	10	10 lbs.	.40
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McGill No. 21 Switch

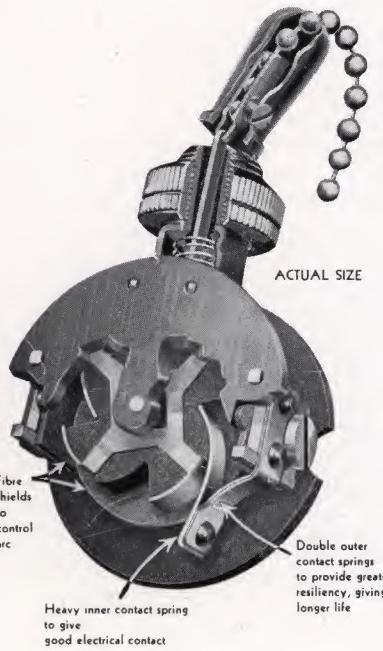
No. 1010



No. 1039—Link

## The *Levolier* 10 Ampere—125 Volt Switch

for high watt lamps and high intensity lamps



THE LEVOLIER canopy switch No. 1010, is the only 10-ampere 125-volt canopy pull chain switch made. It is single pole type, and designed expressly for safe, positive control of modern high watt and high intensity lamps. Fitted into the fixture canopy or conduit box, No. 1010 withstands 1250 watt lamp shock, and may be switched to full capacity as readily as lower capacity lamps.

A special "T" rating signifies that in addition to standard Underwriters' tests, No. 1010 has had 12,000 more pulls on a load cold, high wattage, type C lamp with initial amperage surge of 80 amps., eight times its rated capacity. Link switch No. 1039 is same as No. 1010 with addition of link for fitting into chain fixture without rewiring. Both are rated 10 amp. "T" 125 volts or 5 amp., 250 volt. Standard finishes are brush brass, Jap bronze and nickel. Other finishes on request. It is equipped with 7' cord, with bell at end, or plain lever control.

### Levolier Canopy Pull Switches—10 Amp. - "T" - 125 Volts; 5 amp., 250 volts

Cat. No.	Stem (Diameter-Length)	Std. Pkg.	Carton	Std. Pkg. Wt.	List
1010	1/2"      3/8"	50	10	10 lbs.	\$1.30
1010-L	1/2"      5/8"	50	10	10 lbs.	1.30
1010-PL	1/2"      3/8"	50	10	9 lbs.	1.20
1039	Link Type	50	10	13 lbs.	1.35

No. 1020



No. 1020 P. L.

## The *Levolier* 10 Ampere—125 Volt Switch

**two-circuit type for double-filament, three-light lamps**

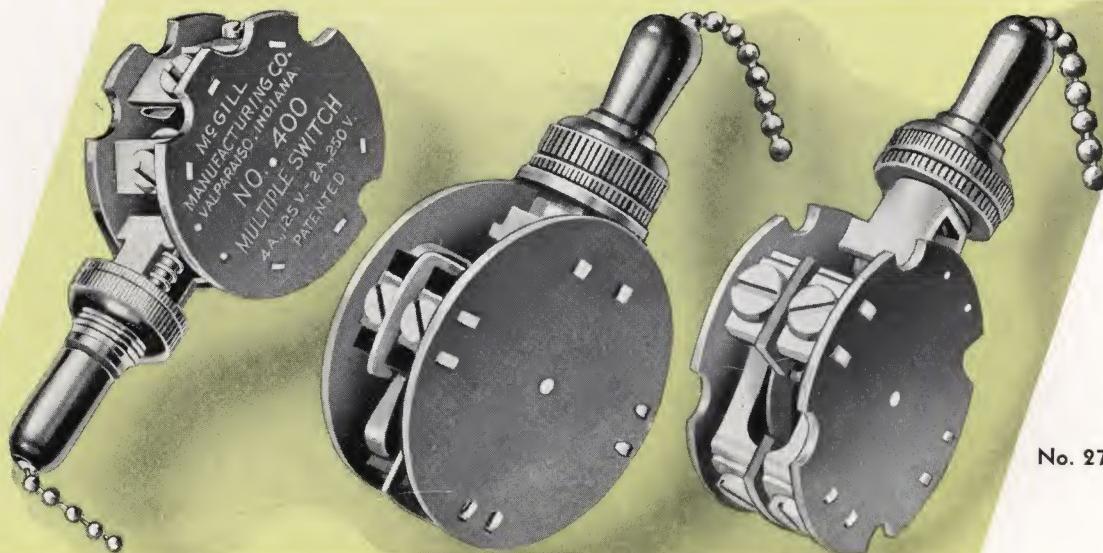
**P**OSITIVE, sturdy, efficient . . . Levolier 10-ampere switch No. 1020 is the smallest unit made for dependable control of the new double-filament, three light lamps. Only  $\frac{7}{8}$ " thick;  $1\frac{3}{4}$ " in diameter. It meets control requirements up to 1250 watt combinations on lamps: PS-25 . . . 50-100-150 watts; PS-40 . . . 200-300-500 watts; PS-35 . . . 150-200-350 watts; C-30 . . . 100-200-300 watts; PS-52 . . . 400-600-1000 watts. (10 amps. "T" — 125 volts . . . 5 amps. 250 volts.) First pull on lever lights small filament; second pull turns it off and lights large filament; third pull relights small filament, causing both to burn, fourth pull turns both off. Adaptable to every type installation — fixture, canopy, floor and table lamp, outlet box, wall switch, etc. Current is broken in four places simultaneously, reducing arcing to a minimum. Tested on lamp load exceeding 145,000 pulls. It is equipped with 7' cord, with bell at end. Levolier plain lever switch No. 1020PL is same as No. 1020 except for plain lever control . . . no chain or cord . . . for lamps or fixtures within easy reach. Standard finishes are brush brass, Jap bronze and nickel flash . . . other finishes on request.

### Levolier Two-Circuit Canopy Pull Switches—10amp.—"T"—125 volts; 5amp. 250 volts

Cat. No.	Stem Diameter	Length	Std. Pkg.	Carton	Std. Pkg. Weight	List
1020	$\frac{1}{8}$ "	$\frac{1}{16}$ "	50	10	10 lbs.	\$1.50
1020-S	$\frac{7}{8}$ "	$\frac{3}{8}$ "	50	10	10 lbs.	1.50
1020-L	$\frac{1}{8}$ "	$\frac{3}{4}$ "	50	10	10 lbs.	1.50
1020-PL	$\frac{7}{8}$ "	$\frac{3}{8}$ "	50	10	9 lbs.	1.40
1029	Link type		50	10	13 lbs.	1.55



No. 400

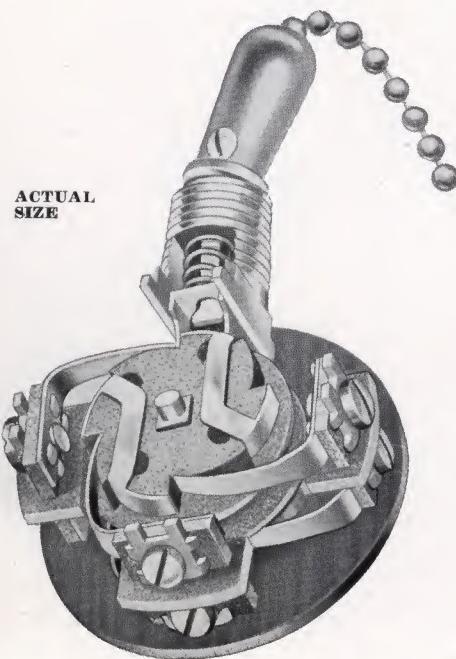


No. 275

No. 475

## The *Levolier* 4 and 6 Ampere Switches

for controlling variable speeds or fractional horsepower motors



THE NO. 400, 3-speed 4-ampere Levolier switches are designed particularly for ventilating fans and fractional H. P. motors. Enclosed in fan housing, therefore caps or casings are not necessary. Equipped with lever and chain or cord pull. In combination fan and lighting units, No. 400 controls the fan, No. 41 the lights. When used together, No. 41 is furnished with the same type lever as on No. 400.

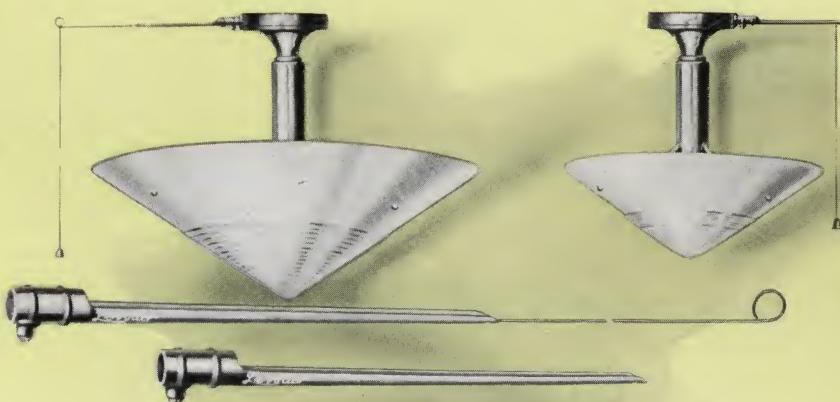
**The 475-275 Double Pole Double Throw Series:** Levolier switches Nos. 475 and 275, are double pole, double throw switches with complete line cut-off. Load leads may be winding of a motor, in which case by interchanging the load leads it is possible to use the switch as a pole changer. Order of rotation: First pull, load 1; second pull, off; third pull, load 2; and fourth pull, off. Subsequent pulls repetition of order.

Tested on a 6-amp. load, 125 volts, D. C. — these switches carry this load without undue arcing, pitting or heating . . . making for long life and dependable service. Adaptable to a wide scope and variety of circuits. Standard plain lever, chain or cord pull control as on other Levoliers. Listed below are only a few numbers now available, other arrangements can be had to meet special requirements.

### Levolier Multiple Circuit Switches—4 and 6 amp. 125 volts

Cat. No.	Control	Stem Diameter	Length	Std. Pkg.	Std. Carton	Pkg. Weight	List
275	1 Off, 2 Off	7/16"	3/8"	100	10	15 lbs.	\$1.70
276	1 Off	7/16"	3/8"	100	10	15 lbs.	1.70
400	1-2-3 Off	7/16"	3/8"	100	10	15 lbs.	1.70
402	1 Off, 2 Off	7/16"	3/8"	100	10	15 lbs.	1.70
404	1-2-3-4-No Off	7/16"	3/8"	100	10	15 lbs.	1.70
475	1 Off, 2 Off	1/2"	5/8"	100	10	15 lbs.	2.00

No. 85-W



No. 85

## The *Lévolier* Extension Arms

CONSTANT pulling of lamp cords that rub against reflectors, shades and bowls, causes needless wear, expense, fixture swaying and risks. Eliminate this from the start by slipping a Levolier Extension Arm over each Levolier switch lever, inserting the cord through the end hole or loop, and knotting to hold. No. 85-W can be extended to meet changing conditions for use with 18" and 22", and larger, basin fixtures. Arms 1/32" thick, tubular formed for rigidity. Standard or special finishes to match all Levolier switches. Easily installed — last indefinitely.

### Extension Arms for Levolier Switches

Cat. No.	Length	Std. Pkg.	Carton	Std. Pkg. Weight	List
85	5 1/4"	100	10	3 lbs.	\$0.20
85-W	9"	100	10	4 lbs.	.25

### Accessories for Pull Sockets and Switches

		Std. Pkg.	
65	7 ft. linen cord, bell and connector.....	100	.12
66	900 feet linen cord, per foot.....	900 ft.	.01
67	Brass bell for cords, each.....	100	.10
68	Brass connector for bead chain.....	100	.10

## The *Lévolier* 3 Ampere Twilite Switch

LEVOLIER 3-amp. Twilite Switch is a small, thin, series multiple switch for individual fixture control of lamps in series of two. Bright or dim as desired. Saves two-thirds on current when dim. Body 1 1/4" long, 1" wide, 5/16" thick. Fits into shallowest bracket backs, portable lamp bases and chandelier bodies. Can be used advantageously for table lamps, side wall brackets, ceiling chandeliers, hall lights, nursery and sleeping quarters. Subdued light gives a beautiful effect on fixtures. First turn, bright; second turn, soft light for comfort and beauty; third turn, out. Easily fitted to existing installations. Comes with 4 wires, each 5 1/2" long.

### Lévolier Twilite Switches — 1 amp., 250 volts; 3 amp., 125 volts

50	1/8" nipple	100	10	8 lbs.	1.00
51	5/16" nipple	100	10	8 lbs.	1.05
52	1/4" nipple	100	10	8 lbs.	1.05



No. 50

No. 1



No. 3

No. 2

## The *Levolier* Pull Chain Sockets

**660 watts — 250 volts**

THE LEVOLIER brass-shell pull-chain sockets, 660-watts — 250 volts, are safe, heavy-duty units. They are easily operated by pulling the chain from any angle, or by the lever independently of the chain. Threading accommodates any standard shade holder. These sockets are recommended for floor lamps, fixtures and droplights, and will control 500 watt lamps. Socket No. 1 has  $\frac{1}{8}$ " threaded cap; No. 2 is equipped with  $\frac{3}{8}$ " rubber bushing, no threading; and No. 3 comes with  $\frac{3}{8}$ " threaded brass cap. All Levolier brass-shell pull chain sockets are listed by Underwriters' Laboratories.

### Levolier Pull Chain Sockets—660 watts, 250 volts

Cat. No.	Description	Std. Pkg.	Carton	Std. Pkg. Weight	List
1	$\frac{1}{8}$ " cap	100	25	18 lbs.	\$0.50
2	Pendent	100	25	18 lbs.	.50
3	$\frac{3}{8}$ " cap	100	25	18 lbs.	.55

No. 103



No. 127

No. 119

No. 121

## The *Levolier* Bathroom Fixture Sockets

**660 watts—250 volts**

LEVOLIER Bathroom Fixture sockets are what their name implies. The bottom lever serves also as a finishing knob. Levers are operated by a slight movement in any direction. These sockets are equipped as illustrated. Model No. 119 has a special brass lever to take the auxiliary porcelain lever as on Model No. 121. All Levolier Bathroom Fixture sockets are built for long, dependable, trouble-free service, and are listed by Underwriters' Laboratories.

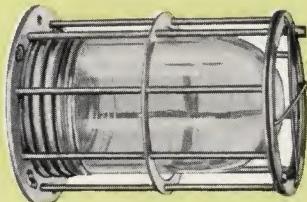
### Levolier Bracket Sockets—660 watts, 250 volts

Cat. No.	Description (Nipple-Lever)	Std. Pkg.	Carton	Std. Pkg. Weight	List
103	5/8"	brass or nickel	100	10	18 lbs. \$0.65
119	5/8"	plain	100	10	14 lbs. .70
121	5/8"	porcelain	100	10	16 lbs. .80
122	3/8"	porcelain	100	10	15 lbs. .80
127*	square	plain	100	10	20 lbs. .70

\* Has  $\frac{1}{16}$ " square shank to fit  $\frac{1}{2}$ " square hole of fixture, which prevents the socket from turning.

# McGILL Guards for Special Purposes

In addition to the standard line of guards illustrated in this catalog, McGILL is prepared to build special guards to meet special requirements.



McGILL Vapor-Proof Wall Guards . . . Offer permanent protection in places where breaking of light bulbs creates a fire hazard.

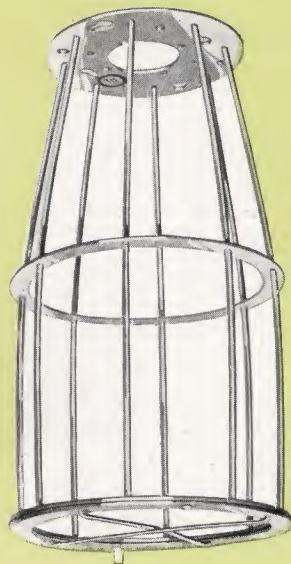
Regardless of how individualized your guard requirements may be . . . see McGILL. Our engineering and designing department is always at your service.



McGILL Subway Wall Guards . . . LOXON feature prevents lamp theft, rugged construction protects against breakage. Designed especially for subways.

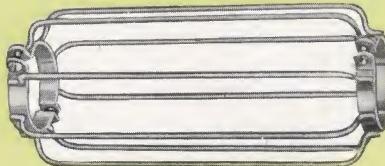


McGILL Black Rubber Cage Lamp Guards . . . Any portable lamp guard can be furnished rubber coated for use around switchboards, panelboards, or any place where completely protected units are essential.

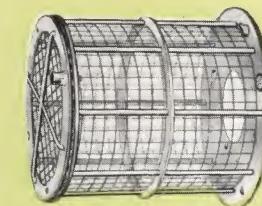


McGILL 300 Watt LOXON Wall Guards . . . Sturdily constructed of heavily tinned  $\frac{5}{32}$ " side wires, reinforced by heavy steel rings, and separate locked-on bottom to protect 300 watt lamps from breakage and unauthorized removal.

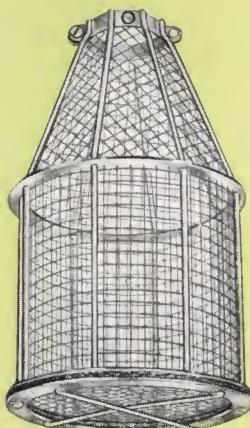
McGILL Special Hand Guard . . . For Benjamin and Newgard Receptacles. Sturdily constructed of strong Bessemer steel rods, copper plated . . . with special circular coil spring to protect large bulbs.



McGILL Tubular Hot Casting Guards . . . McGILL special guards are not necessarily confined to the electrical field. This one protects workers' hands.



McGILL Wire Mesh Wall Guards . . . Triple protection; through LOXON feature, sturdy wire guard, and heavy screen. Screen prevents smaller objects or particles of foreign matter from breaking the light bulb.



McGILL Large Wire Mesh Socket Guards . . . for use in stone quarries, etc.

# McGILL Lamp Guards

## *Built for Heavy Duty Service*

**M**cGILL LAMP GUARDS are especially designed to meet every requirement of light protection and safety.

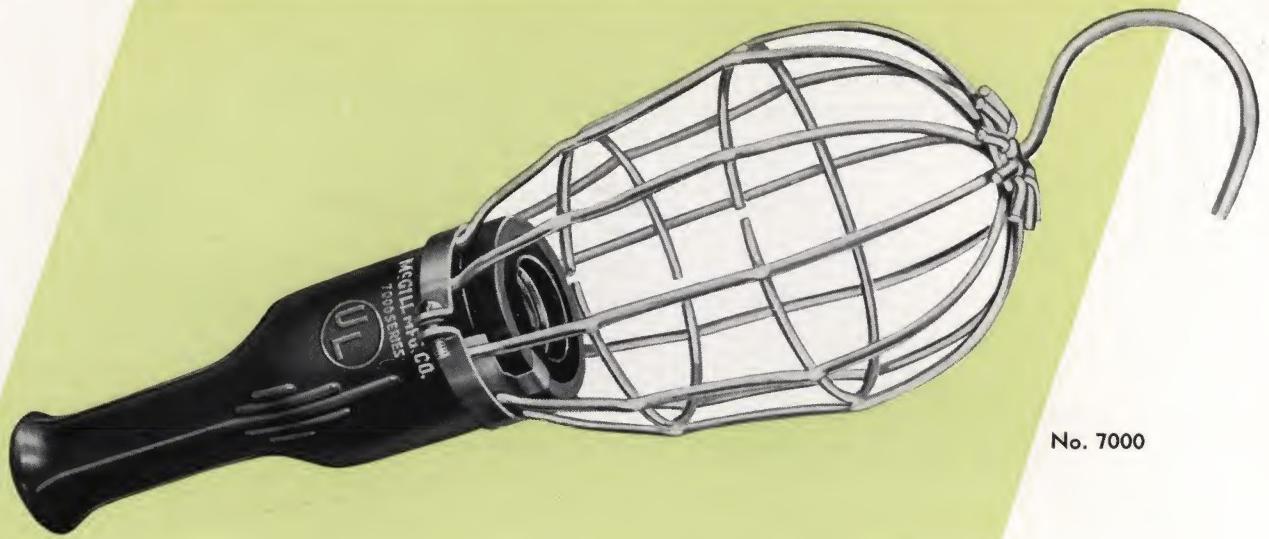
In McGILL Portable Lamp Guards alone, there are seventy-seven different types — each designed for a particular need. Factories, mills, shops, warehouses, railroad shops, public and private garages, storerooms, farm and city homes, everywhere . . . you will find McGILL Lamp Guards on constant duty . . . more than paying for themselves in savings on lamps broken, and preventing fires. In places difficult to see . . . bins, engine pits, under cars and machinery where ordinary light does not penetrate . . . the safe light is that which is protected by a McGILL Portable Lamp Guard.

Special McGILL Safety Vaporproof Portable Guards offer this safety and protection around refineries, in gas plants, chemical works . . . in fact, in every spot where there are added fire hazards that may become instant catastrophies without such safeguards. Around machinery, where oil and water are sprayed, the additional protection of an outer globe over the light bulb is necessary to prevent the hot light bulb from breaking.

McGILL Wall Guards offer like protection and safety on stationary installations in factories, shops, warehouses, subways, gymnasiums . . . everywhere that long-time satisfactory service is required. There are sizes to fit every watt lamp, styles that grip-on, lock-on, have removable ends, and meet many other standard or special requirements.

Regardless of the service you require and may rightfully expect from your lamp guards . . . every McGILL guard is **more** of a safeguard, dollar for dollar value.

All McGILL Guards are listed by Underwriters' Laboratories.



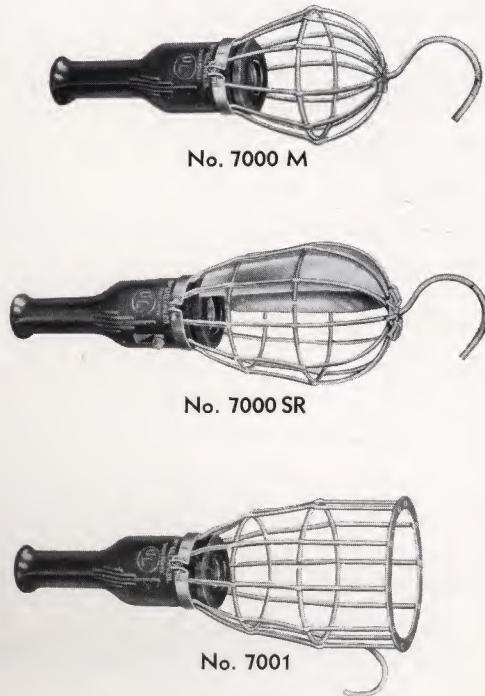
No. 7000

## The No. 7000 Series Lamp Guards . . . with rubber handles

THIS is the most popular series ever designed for all-purpose guards. There's a type and size for every need in industrial plants, garages, railroads, power plants, etc. The handle is of highest quality black molded rubber, formed to provide a solid rubber edge to support a tough fibre disk. Cord wires are run through holes in the disk and knotted, taking all strain off the cord and socket connection. Cage is composed of ten extra heavy Bessemer steel wires, electrically welded and double cadmium alloy plated. Cages do not roll when laid down. This guard can be supplied with thumbnut instead of screw at base of cage . . . no additional charge.

With special Loxon attachment, any model in the 7000 series may be purchased at only 20-cents additional to list price.

### McGILL No. 7000 Series Rubber Handle Portable Lamp Guards

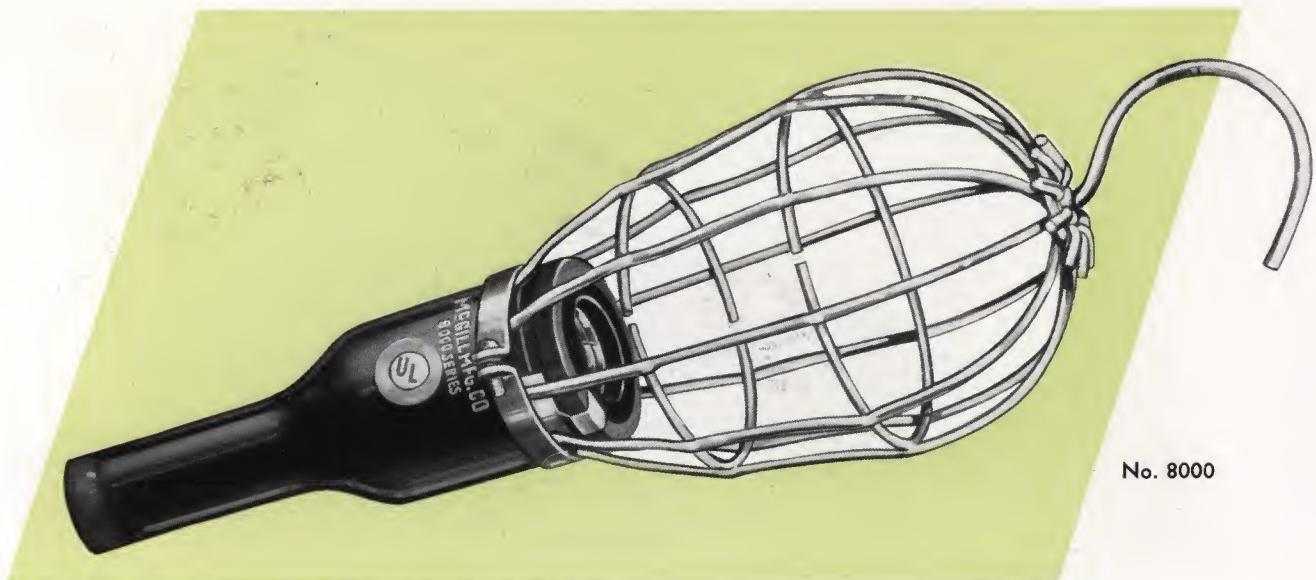


Cat. No.	Cage	Lamp Size	Socket	Length	Weight Each	List
7000*	Plain closed	40-100	4003 keyls	14"	1 lb. 6 oz.	\$2.50
7000-R*	Refl. closed	40- 75	4003 keyls	14"	1 lb. 7 oz.	3.00
7000-S	Plain closed	40-100	4005 lever	14"	1 lb. 6 oz.	3.00
7000-SR	Refl. closed	40- 75	4005 lever	14"	1 lb. 7 oz.	3.50
7001*	Open type	40-100	4003 keyls	12"	1 lb. 6 oz.	2.50
7001-S	Open type	40-100	4005 lever	12"	1 lb. 6 oz.	3.00
7002	Open type	200	4003 grounded			5.50
7000-M*	Plain closed	50W-RS**	4003 keyls	12 $\frac{3}{8}$ "	1 lb. 3 oz.	2.25
7000-MR*	Refl. closed	50W-RS**	4003 keyls	12 $\frac{3}{8}$ "	1 lb. 4 oz.	2.75
7000-MS	Plain closed	50W-RS**	4005 lever	12 $\frac{3}{8}$ "	1 lb. 3 oz.	2.75
7000-MSR	Refl. closed	50W-RS**	4005 lever	12 $\frac{3}{8}$ "	1 lb. 4 oz.	3.25
7001-M*	Open type	50W-RS**	4003 keyls	10 $\frac{3}{4}$ "	1 lb. 3 oz.	2.25
7001-MR*	Open Refl.	50W-RS**	4003 keyls	10 $\frac{3}{4}$ "	1 lb. 4 oz.	2.50
7001-MS	Open type	50W-RS**	4005 lever	10 $\frac{3}{4}$ "	1 lb. 3 oz.	2.70
7001-MSR	Open type	50W-RS**	4005 lever	10 $\frac{3}{4}$ "	1 lb. 3 oz.	2.75

\*These guards can be supplied with grounding attachment. For guards so equipped add 20 cents each additional to the list price. \*\*Rough service.  
These cages also supplied for regular weather-proof sockets.

Rubber coated cages at slight additional cost.

The letter "R" after any catalog number indicates a reflector guard.  
The letter "S" denotes switch or lever.



No. 8000

## The No. 8000 Series Lamp Guards

NUMBER 8000 series McGill Portable Lamp Guards is identical in style, number for number, to the guards in the McGill 7000 series. The handles of the 8000 series guards, however, are made of polished hard wood, finished in glossy black enamel. Sturdy, well constructed for long service, McGill 8000 series portable lamp guards are used on all general purpose requirements. These guards can also be supplied with thumbnut instead of screw at the cage base . . . no additional charge when so specified. For only 20-cents additional cost, the special Loxon attachment may be added to any model of the 8000 series.

with black wood handles

### McGill No. 8000 Wood Handle Portable Lamp Guards

Cat. No.	Cage	Lamp Size	Socket	Length	Weight Each	List
8000*	Plain closed	40-100	4003 keyls	14"	1 lb. 6 oz.	\$2.50
8000-R*	Refl. closed	40-75	4003 keyls	14"	1 lb. 7 oz.	3.00
8000-S	Plain closed	40-100	4005 lever	14"	1 lb. 6 oz.	3.00
8000-SR	Refl. closed	40-75	4005 lever	14"	1 lb. 7 oz.	3.50
8001*	Open type	40-100	4003 keyls	12"	1 lb. 6 oz.	2.40
8001-S	Open type	40-100	4005 lever	12"	1 lb. 6 oz.	3.00
8002	Open type	200	4003 grounded .....			5.50
8000-M*	Plain closed	50W-RS**	4003 keyls	12 $\frac{3}{8}$ "	1 lb. 3 oz.	2.25
8000-MR*	Refl. closed	50W-RS**	4003 keyls	12 $\frac{3}{8}$ "	1 lb. 4 oz.	2.75
8000-MS	Plain closed	50W-RS**	4005 lever	12 $\frac{3}{8}$ "	1 lb. 3 oz.	2.75
8000-MSR	Refl. closed	50W-RS**	4005 lever	12 $\frac{3}{8}$ "	1 lb. 4 oz.	3.25
8001-M*	Open type	50W-RS**	4003 keyls	10 $\frac{3}{4}$ "	1 lb. 3 oz.	2.25
8001-MR*	Open type	50W-RS**	4003 keyls	10 $\frac{3}{4}$ "	1 lb. 3 oz.	2.50
8001-MS	Open type	50W-RS**	4005 lever	10 $\frac{3}{4}$ "	1 lb. 3 oz.	2.75
8001-MSR	Open refl.	50W-RS**	4005 lever	10 $\frac{3}{4}$ "	1 lb. 4 oz.	2.80

\*These guards can be supplied with grounding attachment. For guards so equipped add 20 cents each additional to the list price.

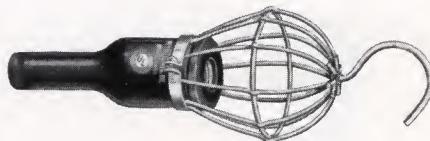
\*\*Rough service lamp.

These cages also supplied for regular weather-proof sockets.

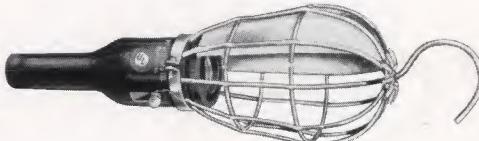
Rubber coated cages at slight additional cost.

The letter "R" after any catalog number indicates a reflector guard.

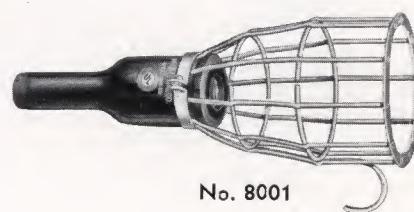
The letter "S" denotes switch or lever.



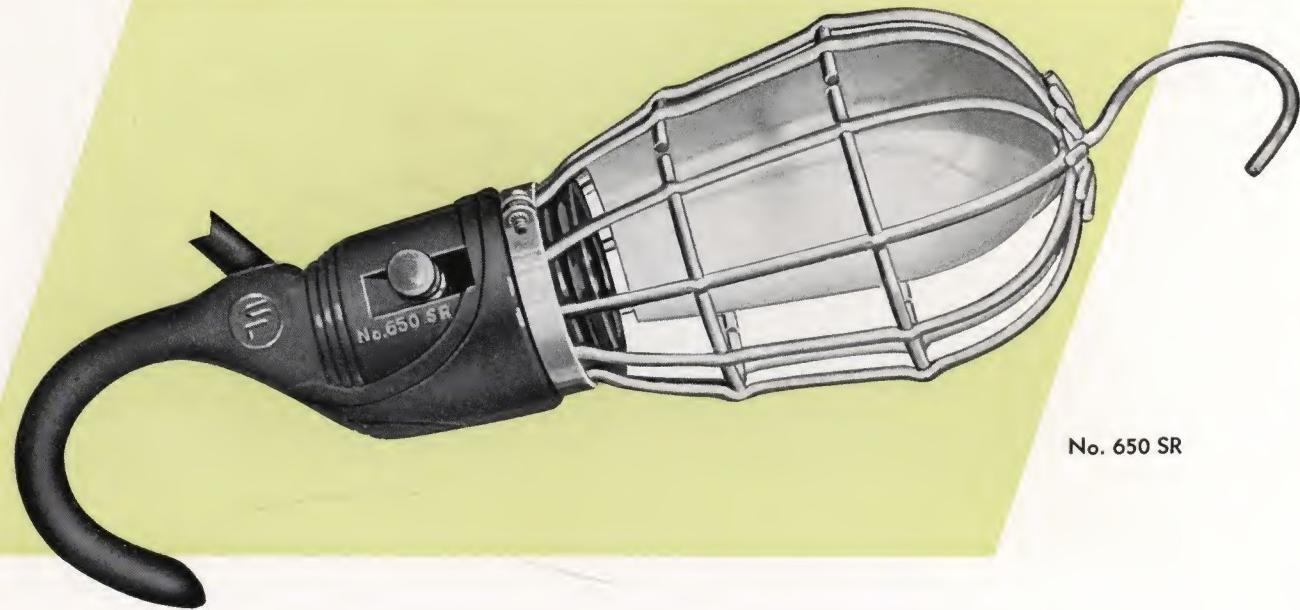
No. 8000 M



No. 8000 SR

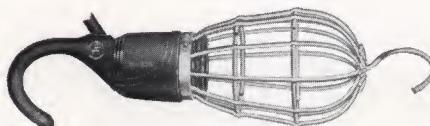


No. 8001

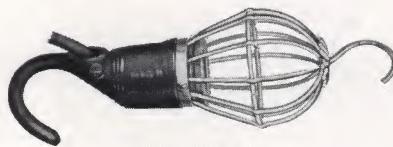


No. 650 SR

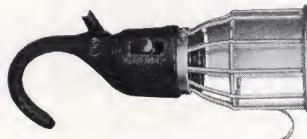
## The No. 650 Series Lamp Guards . . . with rubber hook handles



No. 650



No. 650 M



No. 651 MSR

**T**HE socket portion of No. 650 guard handles is a pliable molded rubber, while the hook is hard molded rubber with a steel core. The socket rubber and hook rubber are thoroughly vulcanized together into a single unit. Cord wires are run through a tough fibre disk and knotted, taking all strain off the cord and socket connection. Fibre washers prevent cage screws from dropping out when lamp is changed. Ten extra heavy Bessemer steel cage wires are electrically welded, cadmium-alloy plated. Cages do not roll when laid down. Rubber hook handle insures against shock while permitting hanging from any angle, anyplace. These are widely used by airports, machine shops, railroad yards and repair shops.

### McGill No. 650 Series Rubber Hook Handle Portable Guards

Cat. No.	Cage	Lamp Size	Socket	Length	Weight	List
650*	Closed	40-100	4003 keyls	15 $\frac{5}{8}$ "	1 lb. 7 oz.	\$2.50
650-R*	Closed Refl.	40- 75	4003 keyls	15 $\frac{5}{8}$ "	1 lb. 9 oz.	3.00
650-S	Closed	40-100	4005 lever	15 $\frac{5}{8}$ "	1 lb. 7 oz.	3.00
650-SR	Closed Refl.	40- 75	4005 lever	15 $\frac{5}{8}$ "	1 lb. 9 oz.	3.50
650-M*	Closed	50W-RS**	4003 keyls	13 $\frac{5}{8}$ "	1 lb. 5 oz.	2.25
650-MR*	Closed Refl.	50W-RS**	4003 keyls	13 $\frac{5}{8}$ "	1 lb. 6 oz.	2.75
650-MS	Closed	50W-RS**	4005 lever	13 $\frac{5}{8}$ "	1 lb. 5 oz.	2.75
650-MSR	Closed Refl.	50W-RS**	4005 lever	13 $\frac{5}{8}$ "	1 lb. 6 oz.	3.25
651*	Open	40-100	4003 keyls	12 $\frac{1}{2}$ "	1 lb. 6 $\frac{1}{2}$ oz.	2.50
651-S	Open	40-100	4005 lever	12 $\frac{1}{2}$ "	1 lb. 6 $\frac{1}{2}$ oz.	3.00
651-M*	Open	50W-RS**	4003 keyls	11 $\frac{1}{4}$ "	1 lb. 5 oz.	2.25
651-MR*	Open Refl.	50W-RS**	4003 keyls	11 $\frac{1}{4}$ "	1 lb. 6 oz.	2.50
651-MS	Open	50W-RS**	4005 lever	11 $\frac{1}{4}$ "	1 lb. 5 oz.	2.70
651-MSR	Open Refl.	50W-RS**	4005 lever	11 $\frac{1}{4}$ "	1 lb. 6 oz.	2.75

\*These guards can be supplied with grounded sockets at 20 cents each additional.

\*\*Rough service lamps.

Rubber coated cages at slight additional cost.

The letter "R" after any catalog number indicates a reflector guard.

The letter "S" denotes switch or lever.



No. 999 SR

## The No. 999 Insulated Lamp Guards...with rubber hook handle

ONLY on the McGILL No. 999 series of portable lamp guards will you find available a cage of this heavy ribbing, molded of Insurok . . . making the guards completely insulated. Handles on the No. 999 series guards are similar in construction to those shown opposite in the No. 650 series. This insulated guard is most widely used around switchboards and panelboards in power stations, street railways, railroad signal offices, radio power and broadcasting stations . . . and in similar places, where protection against short circuiting is vital. Protects workmen. The Insurok cage is strong and tough . . . withstands impacts and hard usage, and has high resistance to heat, cold, moisture, oils, fumes, most chemicals and weak alkalies.

### McGill No. 999 Series Insulated Portable Lamp Guards

Cat. No.	Cage	Lamp Size	Socket	Length	Weight Each	List
999	Closed	50-W-RS*	4003 keyls	11 $\frac{5}{8}$ "	1 lb. 3 oz.	\$4.50
999-R	Closed refl.	50-W-RS*	4003 keyls	11 $\frac{5}{8}$ "	1 lb. 4 oz.	5.00
999-S	Closed	50-W-RS*	4005 lever	11 $\frac{5}{8}$ "	1 lb. 3 oz.	5.00
999-SR	Closed refl.	50-W-RS*	4005 lever	11 $\frac{5}{8}$ "	1 lb. 4 oz.	5.25

\*Rough service.

The 999 Guards may be obtained with straight rubber handles at the same price.

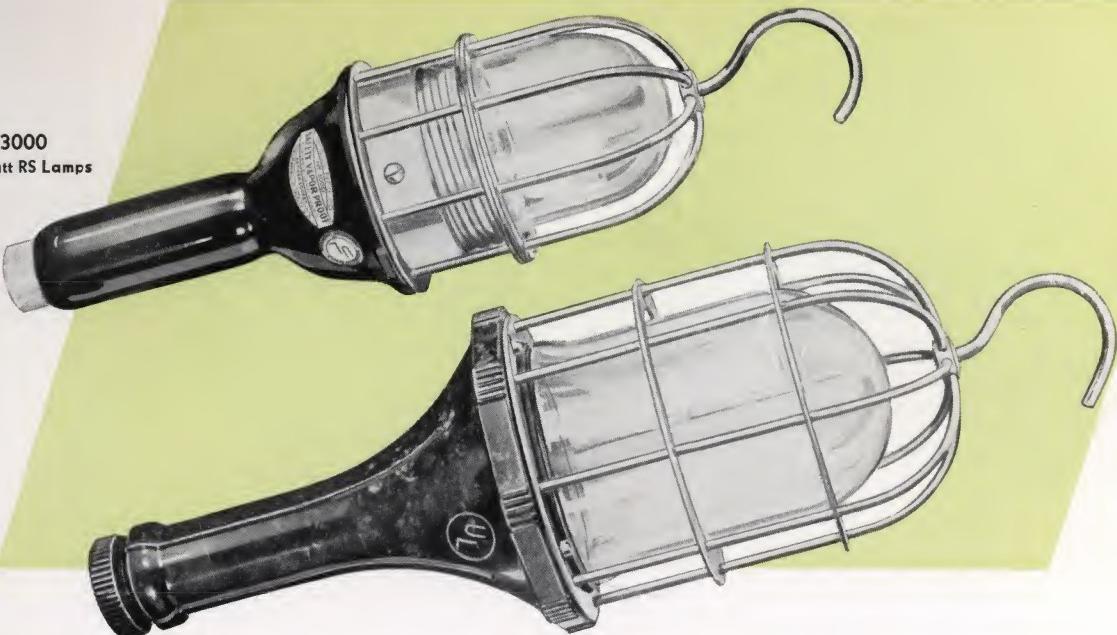
The letter "R" after any catalog number indicates a reflector guard.

The letter "S" denotes switch or lever.



Handle Construction Detail

No. 3000  
For 50-Watt RS Lamps



No. 3005  
For 100-Watt Lamps

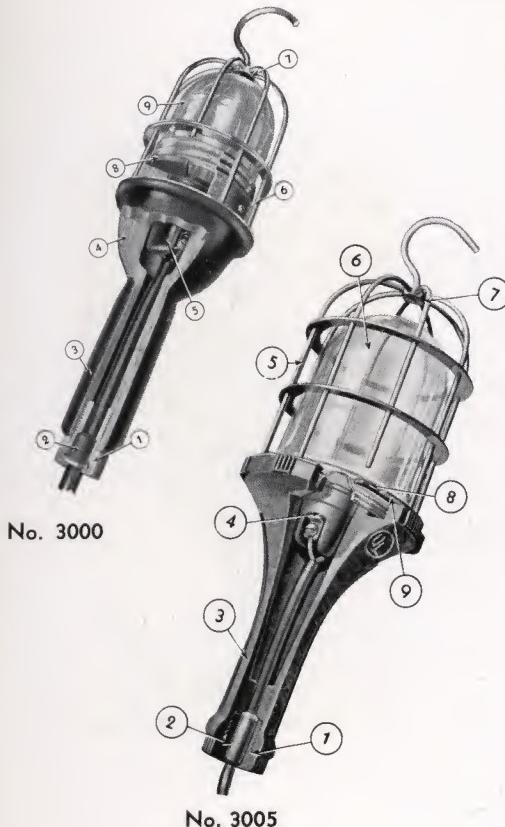
## McGILL Safety Vaporproof Guards . . . with tight-sealing globes

WHEREVER inflammable gases, vapors or materials are present, the McGill 3000 line of safety guards should be used. Designed especially as safeguards, they lower insurance rates and eliminate fire losses, injuries and fatalities from faulty lamps and guards.

### Construction Detail

#### Guard No. 3000

- 1—Packing gland assembly seals handle end and prevents strain on socket terminal screws.
- 2—Rubber packing sleeves make up differences in varying cord sizes.
- 3—Hardwood handle with black, rubberized enamel finish.
- 4—Extra thick hardwood socket holder prevents smashing or cracking.
- 5—Specially designed socket, 660 watt, spring contact, composition body.
- 6—Eight 5/32-inch steel side wires riveted to heavy steel rings and embedded in handle.
- 7—Brass nut threaded to hold the steel wires and steel hook.
- 8—Rubber gasket between handle and globe.
- 9—Heavy, threaded glass globe protects lamp.



No. 3000

No. 3005

#### Guard No. 3005

- 1—Packing gland assembly seals handle end and prevents strain on socket terminal screws.
- 2—Rubber packing sleeves make up differences in varying cord sizes.
- 3—Insurok handle, finished in either brown or black.
- 4—Weatherproof socket—held in handle by 2 adjustable supporting brackets.
- 5—Brass or black oxidized cage of 5/32-inch solid brass wire reinforced with 3 solid brass rings. Hook, 7/32-inch brass wire.
- 6—Heavy, threaded heat-resisting glass—takes 100 watt lamp.
- 7—Brass nut threaded to hold brass wires and brass hook.
- 8—Tight-sealing rubber ring between handle and globe.
- 9—Heavy brass ring securely attached to cage wires—held to handle by 4 screws.

### Safety Vaporproof Portable Guards

Cat. No.	Cage	Socket	Lamp Size	Length	Weight	List
3000	Closed	4003 keyls	{ 50W-RS* } { 40W-Std }	14 1/2"	2 lb. 4 oz.	\$6.00
3000-R	Refl. Closed	4003 keyls	{ 50W-RS* } { 40W-Std }	14 1/2"	2 lb. 5 oz.	6.50
3005	Closed	4003 keyls	100 watt	16 1/2"	3 lb. 4 oz.	10.00

\*RS—Rough Service. The letter "R" indicates a reflector guard.

No. 3000 Guards can be supplied with grounded sockets for 40 cents additional.

No. 3000 Guard is designed especially for A-19 rough service 50 watt lamp made particularly for portable guard service. Regular 40 watt Mazda lamp also may be used.

No. 4675



No. 4673



No. 1450



No. 1450 R

## Bulldog, Standard and National Guards . . . with wood handles

THREE popular lines of McGILL guards for those who prefer wood-handle units.

The No. 4675 is of best grade steel wire, hook and cage, copper plated. Polished hardwood handle, furnished with McGILL Levolier socket or keyless socket . . . for any size lamp cord. No. 4673 is an unusually strong guard designed especially for iron ore districts, railroad shops and heavy industrials. It is constructed of strong Bessemer steel rods and stamped metal rings. Cage is copper plated and handle fitted with No. 4003 socket. The 1450 series guards are heavy duty, open end models, permitting easy lamp replacement. Cages are heavily tinned steel wire, rigidly secured to polished hardwood handles. Composition keyless socket No. 4003 is fitted with spring contacts, firmly imbedded in handle. Used largely by railroads, machine shops and similar industries. Ideal for mill or standard type lamps.

### Bulldog Portable Lamp Guards

Cat. No.	Cage	Socket	Lamp Size	Length	Weight	List
4675	Closed	4004 lever	25-100	15 $\frac{1}{4}$ "	1 lb. 3 oz.	\$3.00
2590	Closed	4006 keyls	25-100	15 $\frac{1}{4}$ "	1 lb. 3 oz.	2.70

### Standard Portable Guards

4673	Closed	4003 keyls	25-100	14 $\frac{1}{4}$ "	1 lb. 2 oz.	3.00
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### National Portable Guards

1450*	Plain Open	4003 keyls	25-40	11 $\frac{1}{8}$ "	14 oz.	2.50
1450-R*	Open Refl.	4003 keyls	25-40	11 $\frac{1}{8}$ "	15 oz.	3.00
1451	Plain Open	4003 keyls	25-75	11"	1 lb. 1 oz.	2.50
1452	Plain Open	4003 keyls	25-100	11 $\frac{3}{4}$ "	1 lb. 3 oz.	2.75

\*Will take 50 watt rough service lamp.  
The letter "R" indicates a reflector guard.

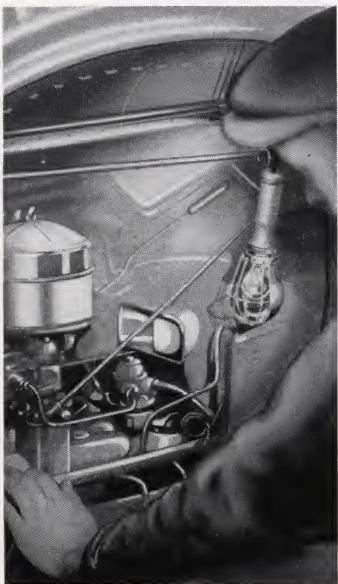


Safe Light—Where It is Needed



## Crescent, Dreadnaught and Battery . . . portable lamp guards

**H**ERE are four more popular McGILL wood handle guard lines. No. 4676 is the original McGILL guard, made of finest quality steel rods stoutly secured to stamped metal ring, all with copper plate finish. It takes any  $\frac{3}{8}$ " standard socket (not included.) No. 2598 is designed for use around switchboards, boilers, valves . . . wherever space is limited. Overall diameter 2". Heavy brass cage and hook prevents sparking. Polished hardwood handle. Keyless socket, imbedded. Spring cushion at end protects tubular lamp. No. 4000 is a heavy closed cage guard used by railroads, quarries and other heavy industries. Best grade steel wire cage and hook, copper plated. Weatherproof composition keyless socket. No. 1200 is a handy portable battery operated guard . . . used on trucks and in other places where electrical circuit is not available. Used for emergency purposes, it takes a 6 to 8 volt, 32 candle power mazda lamp . . . equipped with Ediswan base socket. Furnished without lamp or cord. Many large motor truck manufacturers consider this item standard equipment.



No. 1200 Guard in Highway Use

### Crescent Portable Lamp Guards

Cat. No.	Cage	Socket	Lamp Size	Length	Weight	List \$
4645	Closed	None	25-60	16"	13 oz.	1.80
4676	Closed	None	25-100	16 $\frac{3}{4}$ "	1 lb. 2 oz.	2.00

### Crescent Tubular Portable Lamp Guard

2598	Closed	4009 Keyls Tubular	T-10	13 $\frac{1}{2}$ "	11 oz.	3.50
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### Dreadnaught Portable Guard

4000	Closed	4003 Keyls	25-60	14 $\frac{7}{8}$ "	1 lb. 5 oz.	2.80
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### Battery Portable Guard

1200	Ref. Closed	Ediswan	6-8 Volt 32 C.P.	10"	7 oz.	2.50
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No. 2002 R



No. 9020 R



## Thumbswitch and Home-Guard Models

**for general shop, garage and home use**

THE thumbswitch model has a heavily tinned cage, reflector and hook—all solidly connected to polished hardwood handle finished in black enamel. Easy thumbswitch and unbreakable lever control socket in handle. For light work . . . around switchboards, in garages . . . thumbswitch is a handy model. An all-purpose guard for home use is model 9020-R. Cage is of twelve No. 14 wires, spot welded at all joints. Carries a strong hook with solid steel reflector welded to cage. Large flare at end of rubber handle saves cord from sharp bends. Choice of turn knob and keyless type socket with porcelain base. Heavy duty type cord and plug supplied.

### Thumbswitch Portable Lamp Guards

Cat. No.	Cage	Socket	Lamp Size	Length	Weight	List
2002-R	Refl. Closed	4005 lever	25-40	12 $\frac{1}{4}$ "	13 oz.	\$3.00
2003-R	Refl. Closed	4005 lever	25-75	13 $\frac{1}{2}$ "	15 oz.	3.00

### McGill Home Portable Guards

Cat. No.	Cage	Socket	Lamp Size	Length Cord	Weight Each	List
9020	Plain Closed	keyless	25 to 75 watt	20 ft.	2 $\frac{1}{2}$ lbs.	\$2.40
9020-R	Refl. Closed	keyless	25 to 75 watt	20 ft.	2 $\frac{1}{2}$ lbs.	2.60
9025	Plain Closed	keyless	25 to 75 watt	25 ft.	2 $\frac{3}{4}$ lbs.	2.80
9025-R	Refl. Closed	keyless	25 to 75 watt	25 ft.	2 $\frac{3}{4}$ lbs.	3.00
9120	Plain Closed	turn knob	25 to 75 watt	20 ft.	2 $\frac{1}{2}$ lbs.	2.60
9120-R	Refl. Closed	turn knob	25 to 75 watt	20 ft.	2 $\frac{1}{2}$ lbs.	2.80
9125	Plain Closed	turn knob	25 to 75 watt	25 ft.	2 $\frac{3}{4}$ lbs.	3.00
9125-R	Refl. Closed	turn knob	25 to 75 watt	25 ft.	2 $\frac{3}{4}$ lbs.	3.20
900	Plain Closed	keyless	25 to 75 watt	None	3/4 lb.	1.05
900-R	Refl. Closed	keyless	25 to 75 watt	None	3/4 lb.	1.15
910	Plain Closed	turn knob	25 to 75 watt	None	3/4 lb.	1.10
910-R	Refl. Closed	turn knob	25 to 75 watt	None	3/4 lb.	1.20

The letter "R" indicates a reflector guard.



The "Home Guard" is Handy  
on the Farm

No. 4005



No. 4004



No. 4003

## McGill and Levolier Sockets... used in all McGill Lamp Guards

**M**cGILL uses only highest quality sockets in the manufacture of McGill guards. Nos. 4005 and 4004 above are Levolier types, thoroughly insulated, with fibre levers. No. 4003, black composition, is firmly embedded in the handles of all keyless models.

Universal cord spools take up slack, and are quickly placed without disconnecting.

Crescent socket handles (No. 2751) are strong, polished hardwood, bored for lamp cord, with  $\frac{3}{8}$ " threaded brass nipple securely embedded in end for attaching socket.



No. 1419

No. 1419  
Wound

No. 2751

### McGill Sockets

Cat. No.	Watt	Description	Weight per 100	List
4002	660	Porcelain	25 lbs.	\$0.40
4003	660	Black Composition	25 lbs.	.40
4004	660	Leverier with fibre lever	17 lbs.	.60
4005	660	Leverier with fibre lever	17 lbs.	.70
4006	660	Keyless	16 lbs.	.40
4009	660	Keyless	9 lbs.	.70
4015	660	Grounded	7 lbs.	.80

### Universal Cord Spools

Cat. No.	Description	Length	Weight per 100	List
1417	Standard	$3\frac{3}{8}$ "	4 lbs.	\$0.09
1418	Factory	$5\frac{1}{8}$ "	8 lbs.	.17
1419	Show Window	$5\frac{5}{8}$ "	10 lbs.	.18

### Crescent Socket Handles

Cat. No.	Description	Weight per 100	List
2751	$\frac{3}{8}$ -inch	13 lbs.	\$0.40 each

**McGILL**

No. 1420



No. 1400

No. 1425

## LoXON Locking Lamp Guards

**P**REVENT theft and breakage of lamps . . . lock them on with McGILL LoXon Guards. Easily attached and locked with key. Made of steel wire, heavily tinned, available in sizes to fit all sockets and for regular and mill type lamps. Used in garages, factories, yards, shops, basements, closets, securing double protection against breakage and unauthorized removal.

### LoXon Lamp Guards

Cat. No.	Lamp Size	Fits Socket	Weight per Doz.	List per Doz.
1420	25-40*	Brass	2½ lbs.	\$5.50
1420-A	25-40*	W.P.	2½ lbs.	5.50
1420-B	25-40*	W.P.	3 lbs.	5.50
1425	50-60	Brass	2½ lbs.	5.50
1426	60-100†	Brass	2¾ lbs.	5.75
1427-A	50-60	W.P.	2¾ lbs.	5.50
1427-B	50-60	W.P.	3¼ lbs.	5.50
1428-A	60-100†	W.P.	3 lbs.	5.75
1428-B	60-100†	W.P.	3½ lbs.	5.75
2443	100-150	Brass	4¼ lbs.	7.00
2444	150-200	Brass	3 lbs.	9.00
2446-A	150-200	W.P.	3 lbs.	9.00
2446-B	150-200	W.P.	3½ lbs.	9.00
2447	200 old style	Brass	5 lbs.	11.50
2447-A	200 old style	W.P.	4½ lbs.	12.50
2447-B	200 old style	W.P.	4¾ lbs.	12.50

\*Special reflectors for 60 and 100 watt socket guards at slight additional cost.

### LoXon Reflector Guards

1400	25-40*	Brass	3½ lbs.	8.50
1401-A	25-40*	W.P.	3½ lbs.	8.50
1401-B	..25-40*	W.P.	4 lbs.	8.50
1443	50-60	Brass	4½ lbs.	8.50
1444-A	50-60	W.P.	4½ lbs.	8.50
1444-B	50-60	W.P.	5¾ lbs.	8.50

\*Also 50 watt rough service and 50 watt mill type lamps.

One key included with each dozen guards.

All numbers followed by "A" fit any W.P. Socket with bottom bead measuring 1⅔ to 1⅓ inches in extreme diameter.

All numbers followed by "B" fit any W.P. Socket with bottom bead measuring 1¾ inches in extreme diameter.

For W.P. Sockets or receptacles with bottom bead measuring 1½ inches in diameter, specify regular catalog number of guard desired followed by letter "N" for example, 1427-N. W.P. Sockets not coming within the above dimensions can be fitted by sending a sample socket and we will select the proper guard to fit.

Aluminum sockets can be fitted by giving catalog number and maker's name.



### Locking Feature of LoXon Guards

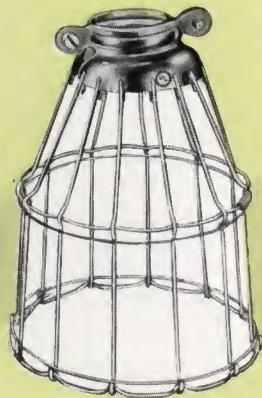
LoXon Guards really lock on the socket. Key fits two triangular head screws protected by collars just large enough to admit key only. Guard bottoms are closed, making use of the key necessary for removal.



### Special Types

For slight additional cost, LoXon Guards can be supplied with following variations: extra heavy gauge wires, wire mesh, rubber coated, copper plated and with hooks. (See wire mesh and rubber coated specials on page 16.)

No. 1600



No. 1429

No. 1610

## GRIPON Non-Locking Lamp Guards



No. 1429 T—PROTECTOR "O" Lamp Guards give full protection to lamp bulbs—the removable trap at bottom prevents pilfering. Yet the trap can be attached and removed quickly and easily for lamp replacement and cleaning. Simply press inward on the guard rim where the trap hooks on it and snap the trap on or off. Traps fit all PROTECTOR "O" Lamp Guards now in use. PROTECTOR "O" Lamp Guards are made of No. 14 steel wire, heavily tinned, and are finished with plain steel screws for attaching to sockets. Made for 25 to 75 watt lamps and for brass and weatherproof sockets with bottom bead measuring from 1-9/16 inch to 1-3/4 inch in extreme diameter.

### Special Types

For slight additional cost, GRIPON Guards can be supplied with following variations: extra heavy gauge wires, wire mesh, rubber coated, copper plated and with hooks. (See wire mesh and rubber coated specials on page 16.)

THESE guards are the same in construction as LOXON guards, except that the key locking device is replaced with plain steel screws. Full protection against breakage. . . . easily detached for lamp renewal . . . Gripon guards are built of heavily tinned steel wire, made to withstand hard use and abuse. For both regular and mill type lamps, brass shell and weatherproof sockets.

### Gripon Lamp Guards

Cat. No.	Lamp Size	Fits Socket	Weight per Doz.	List per Doz.
1600	50-60	Brass	2 3/4 lbs.	4.25
1601	60-100†	Brass	2 3/4 lbs.	4.50
1602-A	50-60	W.P.	2 3/4 lbs.	4.25
1602-B	50-60	W.P.	3 1/4 lbs.	4.25
1603-A	60-100†	W.P.	3 lbs.	5.00
1603-B	60-100†	W.P.	3 1/2 lbs.	5.00
1605	100-200	Brass	3 lbs.	7.50
1606-A	100-200	W.P.	3 lbs.	7.50
1606-B	100-200	W.P.	3 1/2 lbs.	7.50
1608	25-40*	Brass	2 1/4 lbs.	\$4.25
1608-A	25-40*	W.P.	2 1/2 lbs.	4.25
1608-B	25-40*	W.P.	3 lbs.	4.25

\*Special reflectors for 60 and 100 watt socket guards at slight additional cost.

### Gripon Reflector Guards

1610	25-40*	Brass	3 1/2 lbs.	7.25
1611-A	25-40*	W.P.	3 1/2 lbs.	7.25
1611-B	25-40*	W.P.	4 lbs.	7.25
1620	50-60	Brass	4 1/4 lbs.	7.25
1621-A	50-60	W.P.	4 1/2 lbs.	7.25
1621-B	50-60	W.P.	5 1/4 lbs.	7.25

\*Also 50 watt rough service and 50 watt mill type.  
All numbers followed by "A" fit any W.P. socket with bottom bead measuring 1 1/8 to 1 1/4 inches in extreme diameter.

All numbers followed by "B" fit any W.P. socket with bottom bead measuring 1 3/4 inches extreme diameter.

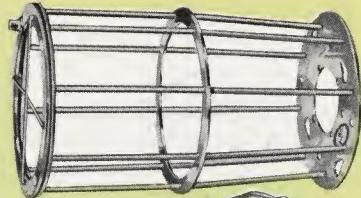
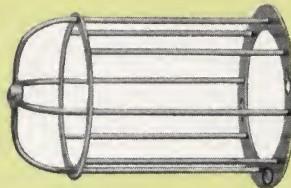
### Protector "O" Guards

1429	25-75	Brass	2 1/2 lbs.	\$4.25
1429-T with Trap	25-75	Brass	3 lbs.	4.80
1432	25-75	W.P.	2 1/2 lbs.	4.25
1432-T with Trap	25-75	W.P.	3 lbs.	4.80
2932 Trap only			1/2 lb.	.72

MCGILL

No. 1438

No. 1590



No. 1440



No. 1439



No. 1581

No. 1437

## CRESCENT Wall Guards

IN PUBLIC BUILDINGS, gymnasiums, schools, theatres, hallways, railroad terminals, subways and loading platforms, Crescent wall lamp guards protect against theft and breakage. Made of first quality steel wire, guards have keyhole slots in base rings to permit easy installation to or removal from ordinary light outlets without expensive changes. They cannot be knocked off accidentally. Boxes and sockets are not furnished with the guards.

### Crescent Outlet Box Cover Guards

Cat. No.	Size Outlet Box	Size Lamp	Inside Diameter	Depth	Weight per Doz.	List
1436	3-inch	60 watt	2 1/8"	5 3/4"	6 1/2 lbs.	\$1.00
1438	4-inch	100 watt	3 1/8"	6 5/8"	7 1/2 lbs.	1.25

### Crescent Wall-Ring Guards

1437	Wall Type	100 watt	3 1/8"	6 3/4"	4 1/2 lbs.	1.75
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### Crescent Receptacle Guards

1439	3 or 4-inch	100 watt	3 1/8"	5 5/8"	8 1/2 lbs.	1.25
1439-B*	3 or 4-inch	100 watt	3 1/8"	5 5/8"	9 1/4 lbs.	1.25
1580	Condulet or Unilet	60 watt	3 1/8"	6 3/8"	8 lbs.	1.25

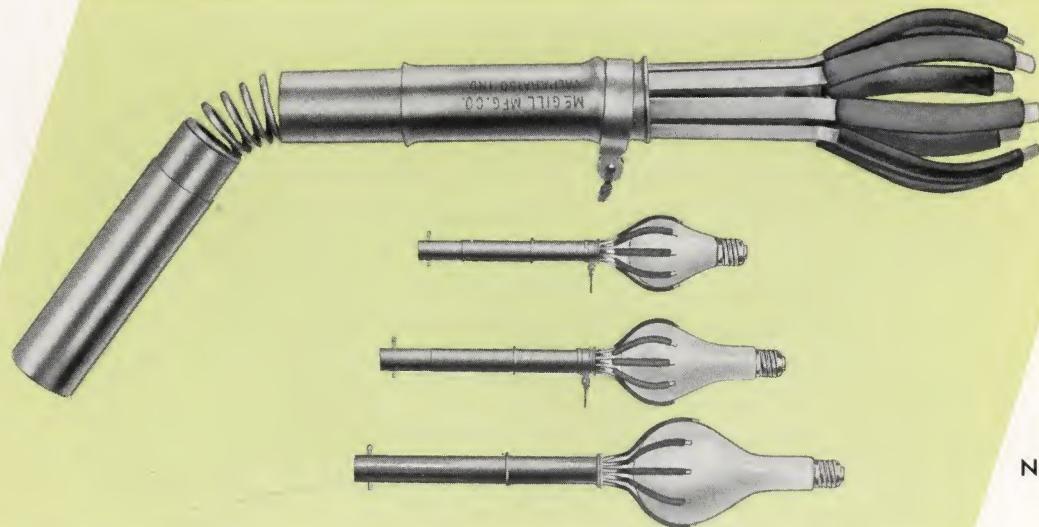
### Crescent Loxon Wall Guards (With Bottom Trap)

1440	3 or 4-inch	100 watt	3 1/8"	5 5/8"	9 1/2 lbs.	2.00
1440-B*	3 or 4-inch	100 watt	3 1/8"	5 5/8"	10 1/2 lbs.	2.00
1581	Condulet or Unilet	60 watt	3 1/8"	6 3/8"	9 lbs.	1.75
1590	3 or 4-inch	150 watt	3 1/2"	6 7/8"	15 lbs.	2.25
1591	3 or 4-inch	200 watt	4 1/8"	8 1/4"	16 lbs.	2.75

\*These guards fit the 4-inch square outlet, as well as the 3 and 4-inch round. Boxes not furnished.



In Subway Stations

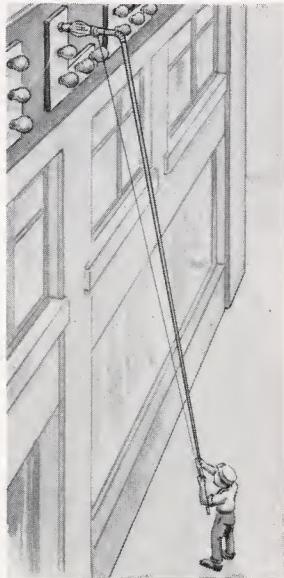


No. 150

No. 151

No. 152

## Adaptable Lamp Changers



**Changing Lamps with the safe  
McGill Adaptable Lamp Changer**

Aluminum or steel pole lengths come in telescope-type tubular sections, each  $5\frac{1}{2}$  feet long. A maximum of six such sections, V-slotted at one end to fit snugly over bar running through next section, gives a 30-foot pole—6 inches of each section is taken by the overlap. Changer fits copper-pin only on Section No. 1, so in ordering, specify Section 1 and as many more as desired, up to 30 feet. Example: for a 20-foot pole, order Sections 1, 2, 3 and 4.

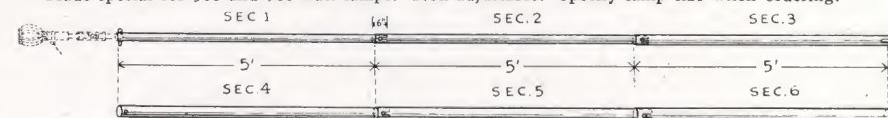
Extra rubber fingers for lamp changers can be supplied.

FALLING off stepladders and improvised ladders while removing or inserting lamp bulbs takes a heavy toll in personal injuries and fatalities—also in workmen's compensation, insurance and other costs. A sturdy, inexpensive McGILL Adaptable Lamp Changer does away with all these. It is practically as simple to understand and as easy to use as the human hand for removing lamps from stationary fixtures, and inserting new lamps. Simply slip the prong or finger adjustment sleeve up over the rubber covered fingers sufficiently to grip the size lamp to be handled. Then push these fingers over the lamp and turn it simply by turning the pole in your hands. The cord enables you to adjust the changer head to any angle. Or the pole can be kept rigid (or without joint) simply by slipping the sleeve over the spring joint.

Cat. No.	Description	Size Lamp	Length Pole	Weight Each	List Each
150	Head only	15-50	None	7 oz.	\$6.50
151	Head only	50-200	None	8 oz.	6.50
152	Head only	Special*	None	9 oz.	11.50
150-5	Head complete with pole	15-50	5 ft.	1 lb.	11.00
150-10	Head complete with pole	15-50	10 ft.	1 $\frac{1}{4}$ lbs.	15.50
150-15	Head complete with pole	15-50	15 ft.	1 $\frac{3}{4}$ lbs.	19.50
150-20	Head complete with pole	15-50	20 ft.	2 $\frac{1}{4}$ lbs.	24.50
150-25	Head complete with pole	15-50	25 ft.	3 lbs.	29.00
150-30	Head complete with pole	15-50	30 ft.	3 $\frac{3}{4}$ lbs.	32.50
151-5	Head complete with pole	50-200	5 ft.	1 lb.	11.00
151-10	Head complete with pole	50-200	10 ft.	1 $\frac{1}{4}$ lbs.	15.50
151-15	Head complete with pole	50-200	15 ft.	1 $\frac{3}{4}$ lbs.	19.50
151-20	Head complete with pole	50-200	20 ft.	2 $\frac{1}{4}$ lbs.	24.50
151-25	Head complete with pole	50-200	25 ft.	3 lbs.	28.50
151-30	Head complete with pole	50-200	30 ft.	3 $\frac{3}{4}$ lbs.	32.50

Steel or aluminum poles up to 30-foot lengths, in sections of  $5\frac{1}{2}$  feet \$4.50 per section in any quantity.

\*Made special for 300 and 500-watt lamps. Non-adjustable. Specify lamp size when ordering.



**MCGILL**

No. 2774



No. 2769



No. 2775



No. 2764

**T**O COMPLETE its services to the electrical lighting, power and wiring fields, McGILL makes easily available these necessary accessories. All of them are manufactured by McGILL, and are guaranteed to give full satisfaction in performance of the work for which they are specified.

#### Star and Crescent Soldering Paste

Large users recommend this for precision work. Cuts grease and dirt, saves time and labor, assures smooth, even-flowing metal. Underwriters' test result: Acid to litmus, neutral to methyl orange. Strong and fast in action. Absolutely non-corrosive.

Cat. No.	Size	List Each
2775	2-ounce .....	\$0.25
2776	4-ounce .....	.35
2777	8-ounce .....	.55
2778	1-pound .....	1.00

#### Star and Crescent Soldering Sticks

Chemically same as the soldering paste, but molded into stick form. Each stick is tinfoil wrapped and packed in pasteboard tube with cap ends.

Cat. No.	Weight per 100 Sticks	List Each
2774	22 pounds .....	\$0.25

#### Crescent Soldering Salts

(Not Illustrated)

Cat. No.	Size	List Each
2780	1/2-pound .....	\$0.75
2779	1-pound .....	1.00

#### Crescent Chatterton Compound

Best para rubber compound for insulating 75% pure rubber. Absolute assurance against danger of open contacts and terminals, and also can be used for waterproofing. Formed in  $\frac{1}{4}$  lb. sticks, 1 inch in diameter, 8 inches long, ten sticks to package weighing  $2\frac{1}{2}$  lbs. Used on all high grade electrical work.

Cat. No.	Description	List ped Lb.
2769	Domestic Brand .....	\$2.00

#### Crescent Coloring Fluid and Frosting

Nine colors and white, for coloring and frosting lamps by dipping. Not weatherproof. Recommended for lamps up to 60 watts. Dipping cup included. Used extensively during Christmas and carnival seasons for temporary outdoor coloring schemes. Any color assortment . . . color combinations possible in no other way are made easily with Crescent. Apply all tints and shades to lighted lamps . . . frosting to unlighted lamps, then light and let dry. Amber, red, blue, pink, ruby, green, canary, violet, purple, and frosted white. Specify colors when ordering.

Cat. No.	Size	Weight Each	List Price
2762	Gallon .....	22 lbs.	\$14.00
2763	Half Gallon ..	18 lbs.	7.50
2764	Quart .....	5 lbs.	4.00
2765	Pint .....	3 lbs.	2.00
2766	Half Pint .....	2 lbs.	1.00



The McGill plants have grown to their present size upon a foundation of merit and service

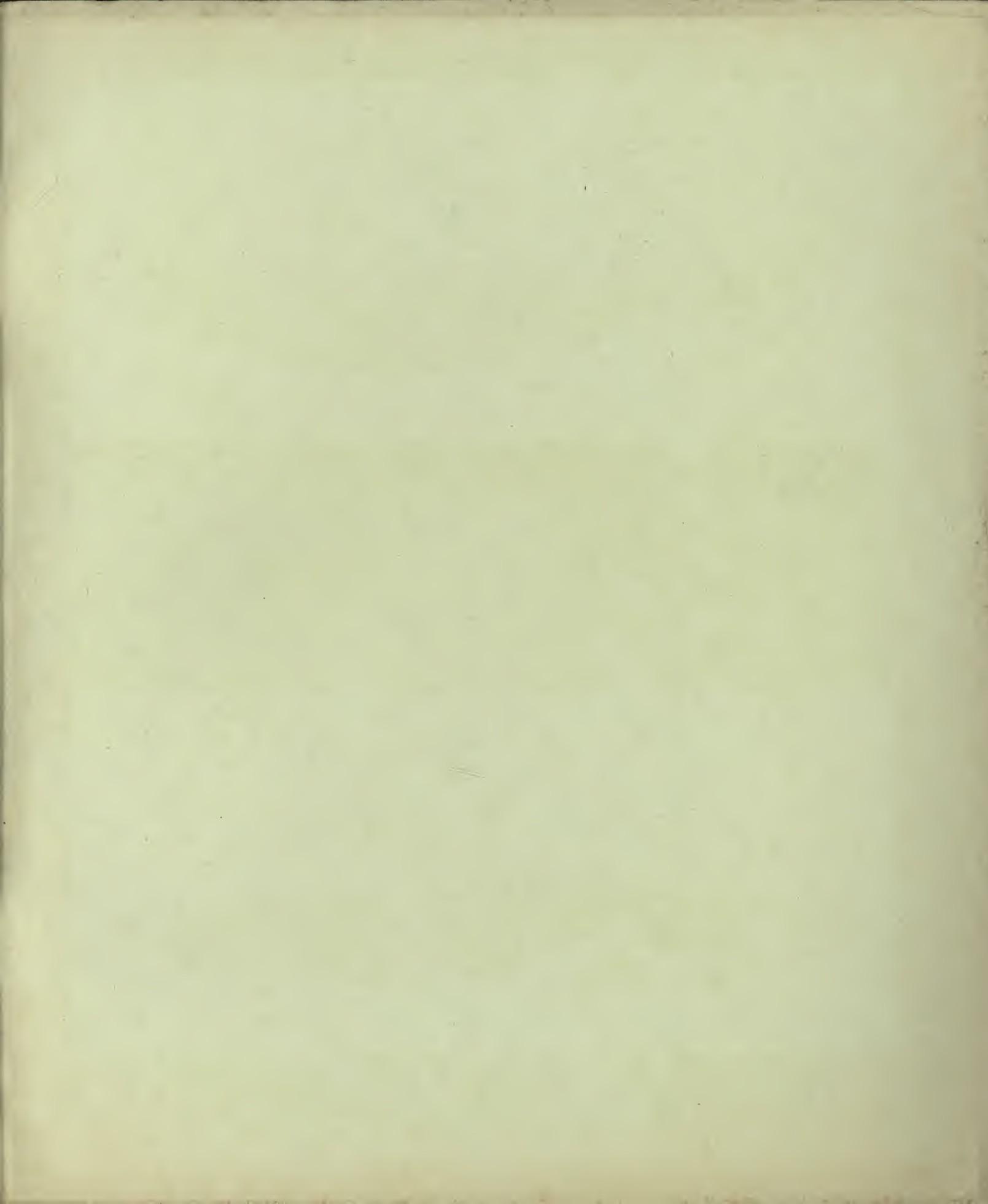
## Proof of Progress Based Upon Quality

McGILL plants have grown in size during the past 34 years, in keeping with the increasing demand for McGill products. Size of a company alone is no criterion, unless it represents a substantial foundation and growth due to merited popularity of that organization's products and services. McGill is large . . . because it has that foundation, and it continues in growth because, added to the quality in craftsmanship and material of every McGill product, is the personalized service that goes into every contact which this organization makes.



McGILL plants will continue to grow throughout the years, as products and services grow to meet changing conditions

**McGILL** Manufacturing Company, Valparaiso, Indiana



**MCGILL MFG. CO.**  
**Valparaiso • Indiana**

"ELECTRICAL SPECIALTIES OF QUALITY"